PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUT	HORITY .					
To: ROBERT D. BUYAN STOUT, UXA, BUYAN & MULLINS, LLP. 4 VENTURE, SUITE 300 IRVINE, CA 92618		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
			(PCT Rule 43bis.1)			
		Date of mailing (day/month/year)	31 .IAN 2005			
Applicant's or agent's file reference		FOR FURTHER ACTION				
RAJTM-001PC		See paragraph 2 below				
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)			
PCT/US04/22134	09 July 2004 (09.07.200	7.2004) 10 July 2003 (10.07.2003)				
International Patent Classification (IPC	c) or both national classificat	ion and IPC				
IPC(7): A61K 38/16 and US CI.: 514/	8					
Applicant						
RAJADHYAKSHA, V. J.						
1. This opinion contains indications	elating to the following item	s:				
Box No. I Basis of the opinion						
Box No. II Priority						
Box No. III Non-estat	x No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV Lack of u	Lack of unity of invention					
	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certain de	VI Certain documents cited					
Box No. VII Certain de	II Certain defects in the international application					
Box No. VIII Certain of	Box No. VIII Certain observations on the international application					
International Preliminary Examin	ing Authority ("IPEA") execute the IPEA and the chosen II	cept that this does PEA has notified the	be considered to be a written opinion of the not apply where the applicant chooses an e International Bureau under Rule 66.1 bis (b) lered.			
IPEA a written reply together, w	there appropriate, with ame before the expiration of 22 n	endments, before th	PEA, the applicant is invited to submit to the ne expiration of 3 months from the date of ority date, whichever expires later.			
3. For further details, see notes to Fo	rm PCT/ISA/220.					
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450		Authorized office Marcela M. Coro Telephone No. (5	lero Garcia			

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/22134

Box N	o. I Basis of this opinion
_	regard to the language, this opinion has been established on the basis of the international application in the language in which is filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the ed invention, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additi	onal comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/22134

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims	4,5,8,9 and 11-14	YES
	•	Claims	1-3,6,7,10 and 15	NO
	Inventive step (IS)		4,5 and 11-14	YES
		Claims	1-3,6-10 and 15	NO
	Industrial applicability (IA)	Claims	1-15	YES
		Claims		NO

2. Citations and explanations:

Claims 1-3, 6-7, 10 and 15 lack novelty under PCT Article 33(2) as being anticipated by Pinegin (US 5,877,147). The instant claims are drawn to a method of treating metabolic or autoimmune disorder in a human or veterinarian patient, said method comprising the step of (A) administering to the patient a therapeutically effective amount of a compound having the formula I. Pinegin teaches the use of compounds encompassed by formula I in the treatment of cancer (which inherently reads upon a metabolic or autoimmune disorder).

Therefore, the reference is deemed to anticipate the instant claims above, as drafted.

Claims 1-3, 6-10 and 15 lack an inventive step under PCT Article 33(3) as being obvious over Pinegin (US 5,877,147) in view of American Academy of Pediatrics (Pediatrics, 1997). Pinegin beneficially teaches the use of compounds encompassed by formula I in the treatment of cancer (which intrinsically reads upon a metabolic or autoimmune disorder). Pinegin does not teach sublingual or nasal administration.

American Academy of Pediatrics, Committee on Drugs (Pediatrics, 1997) beneficially teaches the conventional use of nasal and sublingual routes for administration of drugs.

Thus, the invention as a whole is prima facie obvious over the references, especially in the absence of evidence to the contrary.

Claims 1-15 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.